# Evaluate Continuing Calibration Report

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU043018\
Data File : VU023533.D
Acq On : 30 Apr 2018 17:46
Operator : MD/SY
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** ICVVU043018

Quant Time: May 01 05:17:32 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\524U043018DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue May 01 05:06:52 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | i | Fluorobenzene | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 8.786 | 12.1 | 91 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 9.237 | 7.6 | 102 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 9.815 | 1.9 | 103 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 10.400 | -4.0 | 109 | 0.00 |
| 6 | T | Chloroethane | 10.000 | 9.813 | 1.9 | 104 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 10.213 | -2.1 | 106 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 10.289 | -2.9 | 108 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 10.385 | -3.8 | 108 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 10.736 | -7.4 | 103 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 10.927 | -9.3 | 114 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 53.439 | -167.2# | 267 | 0.00 |
| 13 | T | Acetone | 50.000 | 73.578 | -47.2# | 163 | 0.00 |
| 14 | T | Carbon Disulfide | 10.000 | 10.303 | -3.0 | 109 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 9.556 | 4.4 | 108 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 10.397 | -4.0 | 111 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 10.350 | -3.5 | 109 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 58.837 | -17.7 | 122 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 10.283 | -2.8 | 107 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 11.140 | -11.4 | 110 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 10.488 | -4.9 | 110 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 10.429 | -4.3 | 109 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 10.316 | -3.2 | 107 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 55.672 | 44.3# | 57 | -0.02 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 10.301 | -3.0 | 107 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 9.615 | 3.8 | 102 | 0.00 |
| 27 | t | Chloroform | 10.000 | 10.006 | -0.1 | 106 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 10.504 | -5.0 | 110 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 10.235 | -2.3 | 106 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 10.674 | -6.7 | 109 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 10.397 | -4.0 | 109 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 0.000 | 100.0# | 0 | -4.09# |
| 33 | | Tert-Amyl methyl ether | 10.000 | 0.000 | 100.0# | 0 | -5.59# |
| 34 | t | Propionitrile | 50.000 | 100.872 | -101.7# | 210 | 0.00 |
| 35 | RT | Benzene | 10.000 | 10.765 | -7.7 | 108 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 10.271 | -2.7 | 106 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 10.342 | -3.4 | 108 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 10.484 | -4.8 | 107 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 9.901 | 1.0 | 106 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 10.750 | -7.5 | 108 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 45.288 | -126.4# | 257 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 10.381 | -3.8 | 107 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 10.536 | -5.4 | 108 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 10.690 | -6.9 | 109 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 56.148 | -12.3 | 108 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 11.992 | 40.0# | 63 | 0.00 |

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**ClientSampleId :** ICVVU043018

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Max. RRF Dev : 30% Max. Rel. Area : 200%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 47 | t | Methyl methacrylate | 20.000 | 10.944 | 45.3# | 53 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 11.824 | -18.2 | 110 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 11.186 | -11.9 | 109 | 0.00 |
| 50 | T | t-1,3-Dichloropropene | 10.000 | 12.008 | -20.1 | 114 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 11.524 | -15.2 | 112 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 10.854 | -8.5 | 111 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 10.786 | -7.9 | 108 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 62.357 | -24.7 | 118 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 10.829 | -8.3 | 106 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 11.021 | -10.2 | 110 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 1.063 | -6.3 | 101 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 10.847 | -8.5 | 109 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 10.939 | -9.4 | 109 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 10.695 | -7.0 | 107 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 10.662 | -6.6 | 112 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 10.610 | -6.1 | 107 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 11.673 | -16.7 | 110 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 23.416 | -17.1 | 110 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 11.348 | -13.5 | 107 | 0.00 |
| 66 | RT | Styrene | 10.000 | 11.414 | -14.1 | 105 | 0.00 |
| 67 | t | Bromoform | 10.000 | 11.064 | -10.6 | 108 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 1.014 | -1.4 | 100 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 11.984 | -19.8 | 113 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 10.639 | -6.4 | 107 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 10.758 | -7.6 | 111 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 11.063 | -10.6 | 108 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 11.920 | -19.2 | 112 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 11.443 | -14.4 | 111 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 11.933 | -19.3 | 111 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 11.498 | -15.0 | 110 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 11.516 | -15.2 | 110 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 11.811 | -18.1 | 110 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 10.994 | -9.9 | 105 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 12.004 | 76.0# | 22 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 11.772 | -17.7 | 110 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 10.866 | -8.7 | 109 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 11.025 | -10.3 | 109 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 11.808 | -18.1 | 111 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 10.719 | -7.2 | 108 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 11.260 | -12.6 | 115 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 11.822 | -18.2 | 117 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 10.781 | -7.8 | 110 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 12.595 | -26.0 | 114 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 11.061 | -10.6 | 109 | 0.00 |

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|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0